

## ABSTRACT

The present invention provides O-glycan  $\alpha$ 2,8-sialyltransferase which has novel substrate specificity and substrate selectivity, and  $\beta$ -galactoside  $\alpha$ 2,6-sialyltransferase which has novel action and substrate specificity. The sialyltransferase of the present invention can be used as a medicament for suppression of cancer metastasis, prevention of virus infection, suppression of inflammatory response, or activation of neural cells.